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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/966,755

DATE: 01/15/2002

TIME: 17:36:26

Input Set : N:\Crf3\RULE60\09966755.raw

Output Set: N:\CRF3\01152002\I966755.raw

1 <110> APPLICANT: Andrew, David P.
2 Zabel, Brian A.
3 Ponath, Paul D.
4 <120> TITLE OF INVENTION: ANTI-GPR-9-6 ANTIBODIES AND METHODS OF
5 IDENTIFYING AGENTS WHICH MODULATE GPR-9-6 FUNCTION
6 <130> FILE REFERENCE: LKS98-16
7 <140> CURRENT APPLICATION NUMBER: 09/966,755
8 <141> CURRENT FILING DATE: 2001-09-28
10 <150> PRIOR APPLICATION NUMBER: US/09/266,464
11 <151> PRIOR FILING DATE: 1999-03-11
14 <160> NUMBER OF SEQ ID NOS: 7
15 <170> SOFTWARE: FastSeq for Windows Version 3.0
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 2577
19 <212> TYPE: DNA
20 <213> ORGANISM: Homo sapiens
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22 <221> NAME/KEY: CDS
23 <222> LOCATION: (58)...(1131)
24 <400> SEQUENCE: 1

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26 Met
27 1
28 gct gat gac tat ggc tct gaa tcc aca tct tcc atg gaa gac tac gtt 108
29 Ala Asp Asp Tyr Gly Ser Glu Ser Thr Ser Ser Met Glu Asp Tyr Val
30 5 10 15
31 aac ttc aac ttc act gac ttc tac tgt gag aaa aac aat gtc agg cag 156
32 Asn Phe Asn Phe Thr Asp Phe Tyr Cys Glu Lys Asn Asn Val Arg Gln
33 20 25 30
34 ttt gcg agc cat ttc ctc cca ccc ttg tac tgg ctc gtg ttc atc gtg 204
35 Phe Ala Ser His Phe Leu Pro Pro Leu Tyr Trp Leu Val Phe Ile Val
36 35 40 45
37 ggt gcc ttg ggc aac agt ctt gtt atc ctt gtc tac tgg tac tgc aca 252
38 Gly Ala Leu Gly Asn Ser Leu Val Ile Leu Val Tyr Trp Tyr Cys Thr
39 50 55 60 65
40 aga gtg aag acc atg acc gac atg ttc ctt ttg aat ttg gca att gct 300
41 Arg Val Lys Thr Met Thr Asp Met Phe Leu Leu Asn Leu Ala Ile Ala
42 70 75 80
43 gac ctc ctc ttt ctt gtc act ctt ccc ttc tgg gcc att gct gct gct 348
44 Asp Leu Leu Phe Leu Val Thr Leu Pro Phe Trp Ala Ile Ala Ala Ala
45 85 90 95
46 gac cag tgg aag ttc cag acc ttc atg tgc aag gtg gtc aac agc atg 396
47 Asp Gln Trp Lys Phe Gln Thr Phe Met Cys Lys Val Val Asn Ser Met
48 100 105 110
49 tac aag atg aac ttc tac agc tgt gtg ttg ctg atc atg tgc atc agc 444
50 Tyr Lys Met Asn Phe Tyr Ser Cys Val Leu Leu Ile Met Cys Ile Ser
51 115 120 125

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52	gtg gac agg tac att gcc att gcc cag gcc atg aga gca cat act tgg	492
53	Val Asp Arg Tyr Ile Ala Ile Ala Gln Ala Met Arg Ala His Thr Trp	
54	130 135 140 145	
55	agg gag aaa agg ctt ttg tac agc aaa atg gtt tgc ttt acc atc tgg	540
56	Arg Glu Lys Arg Leu Leu Tyr Ser Lys Met Val Cys Phe Thr Ile Trp	
57	150 155 160	
58	gta ttg gca gct gct ctc tgc atc cca gaa atc tta tac agc caa atc	588
59	Val Leu Ala Ala Ala Leu Cys Ile Pro Glu Ile Leu Tyr Ser Gln Ile	
60	165 170 175	
61	aag gag gaa tcc ggc att gct atc tgc acc atg gtt tac cct agc gat	636
62	Lys Glu Glu Ser Gly Ile Ala Ile Cys Thr Met Val Tyr Pro Ser Asp	
63	180 185 190	
64	gag agc acc aaa ctg aag tca gct gtc ttg acc ctg aag gtc att ctg	684
65	Glu Ser Thr Lys Leu Lys Ser Ala Val Leu Thr Leu Lys Val Ile Leu	
66	195 200 205	
67	ggg ttc ttc ctt ccc ttc gtg gtc atg gct tgc tgc tat acc atc atc	732
68	Gly Phe Phe Leu Pro Phe Val Val Met Ala Cys Cys Tyr Thr Ile Ile	
69	210 215 220 225	
70	att cac acc ctg ata caa gcc aag aag tct tcc aag cac aaa gcc cta	780
71	Ile His Thr Leu Ile Gln Ala Lys Lys Ser Ser Lys His Lys Ala Leu	
72	230 235 240	
73	aaa gtg acc atc act gtc ctg acc gtc ttt gtc ttg tct cag ttt ccc	828
74	Lys Val Thr Ile Thr Val Leu Thr Val Phe Val Leu Ser Gln Phe Pro	
75	245 250 255	
76	tac aac tgc att ttg ttg gtg cag acc att gac gcc tat gcc atg ttc	876
77	Tyr Asn Cys Ile Leu Leu Val Gln Thr Ile Asp Ala Tyr Ala Met Phe	
78	260 265 270	
79	atc tcc aac tgt gcc gtt tcc acc aac att gac atc tgc ttc cag gtc	924
80	Ile Ser Asn Cys Ala Val Ser Thr Asn Ile Asp Ile Cys Phe Gln Val	
81	275 280 285	
82	acc cag acc atc gcc ttc ttc cac agt tgc ctg aac cct gtt ctc tat	972
83	Thr Gln Thr Ile Ala Phe Phe His Ser Cys Leu Asn Pro Val Leu Tyr	
84	290 295 300 305	
85	gtt ttt gtg ggt gag aga ttc cgc cgg gat ctc gtg aaa acc ctg aag	1020
86	Val Phe Val Gly Glu Arg Phe Arg Arg Asp Leu Val Lys Thr Leu Lys	
87	310 315 320	
88	aac ttg ggt tgc atc agc cag gcc cag tgg gtt tca ttt aca agg aga	1068
89	Asn Leu Gly Cys Ile Ser Gln Ala Gln Trp Val Ser Phe Thr Arg Arg	
90	325 330 335	
91	gag gga agc ttg aag ctg tcg tct atg ttg ctg gag aca acc tca gga	1116
92	Glu Gly Ser Leu Lys Leu Ser Ser Met Leu Leu Glu Thr Ser Gly	
93	340 345 350	
94	gca ctc tcc ctc tga ggggtcttct ctgaggtgca tggttctttt ggaagaaatg	1171
95	Ala Leu Ser Leu *	
96	355	
97	agaaatacat gaaacagttt cccactgat gggaccagag agagtgaaag agaaaagaaa	1231
98	actcagaaag ggatgaatct gaactatatg attacttgta gtcagaattt gccaaagcaa	1291
99	atatattcaaa atcaactgac tagtgacagga ggctgttgat tggetcttga ctgtgatgcc	1351
100	cgcaattctc aaaggaggac taaggaccgg cactgtggag caccctggct ttgccactcg	1411

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Input Set : N:\Crif3\RULE60\09966755.raw

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102      cttctgtggc ttcagttctc atgctgcctc ttccaaaagg ggacacagaa gcactggctg 1531
103      ctgctacaga ccgcaaaagc agaaagtttc gtgaaaatgt ccatcttttg gaaattttct 1591
104      accctgctct tgagcctgat aacctatgcc aggtcttata gattcctgat ctagaacctt 1651
105      tccaggcaat ctcagacctc atttccttct gttctccttg ttctgttctg ggccagtga 1711
106      ggtccttggt ctgattttga aacgatctgc aggtcttgcc agtgaacccc tggacaactg 1771
107      accacaccca caaggcatcc aaagtctggt ggcttccaat ccattttctg gtctgtctgg 1831
108      aggttttaac ctagacaagg attccgctta ttcttggtta tgggtgacagt gtctctccat 1891
109      ggctgtgagca gggagattat aacagctggg ttgcgaggag ccagccttg cctgtttgta 1951
110      ggctgtttct gttgagtggt acttgctttg ggtccaccgt ctgtctgctc cctagaaaat 2011
111      gggtggttct ttttgccctt ctctcttctg agggccactt tattctgagg aatacagtga 2071
112      gcagatatgg gcagcagcca ggtagggcaa aggggtgaag cgcaggcctt gctggaaggc 2131
113      tatttacttc catgcttctc cttttcttac tctatagtgg caacatttta aaagctttta 2191
114      acttagagat taggctgaaa aaaataagta atggaattca cctttgcatc ttttgtgtct 2251
115      ttcttatcat gatttggtcaa aatgcatcac ctttgaaaat atttcacata ttggaaaagt 2311
116      gctttttaat gtgtatatga agcattaatt acttgctact ttctttacct tgtctcaata 2371
117      ttttaagtgt gtgcaattaa agatcaaata gatacattaa gagtgtgaag gctgggtctga 2431
118      aggtagttag ctatctcaat cggattgttc acactcagtt acagattgaa ctcttggttc 2491
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120      gcaataggga taaggaaata agatct
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124 <212> TYPE: PRT
125 <213> ORGANISM: Homo sapiens
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129      Val Asn Phe Asn Phe Thr Asp Phe Tyr Cys Glu Lys Asn Asn Val Arg
130      20          25          30
131      Gln Phe Ala Ser His Phe Leu Pro Pro Leu Tyr Trp Leu Val Phe Ile
132      35          40          45
133      Val Gly Ala Leu Gly Asn Ser Leu Val Ile Leu Val Tyr Trp Tyr Cys
134      50          55          60
135      Thr Arg Val Lys Thr Met Thr Asp Met Phe Leu Asn Leu Ala Ile
136      65          70          75          80
137      Ala Asp Leu Leu Phe Leu Val Thr Leu Pro Phe Trp Ala Ile Ala Ala
138      85          90          95
139      Ala Asp Gln Trp Lys Phe Gln Thr Phe Met Cys Lys Val Val Asn Ser
140      100         105         110
141      Met Tyr Lys Lys Met Asn Phe Tyr Ser Cys Val Leu Leu Ile Met Cys Ile
142      115         120         125
143      Ser Val Asp Arg Tyr Ile Ala Ile Ala Gln Ala Met Arg Ala His Thr
144      130         135         140
145      Trp Arg Glu Lys Arg Leu Leu Tyr Ser Lys Met Val Cys Phe Thr Ile
146      145         150         155         160
147      Trp Val Leu Ala Ala Ala Leu Cys Ile Pro Glu Ile Leu Tyr Ser Gln
148      165         170         175
149      Ile Lys Glu Glu Ser Gly Ile Ala Ile Cys Thr Met Val Tyr Pro Ser
150      180         185         190

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151   Asp Glu Ser Thr Lys Leu Lys Ser Ala Val Leu Thr Leu Lys Val Ile
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153   Leu Gly Phe Phe Leu Pro Phe Val Val Met Ala Cys Cys Tyr Thr Ile
154           210                     215                     220
155   Ile Ile His Thr Leu Ile Gln Ala Lys Lys Ser Ser Lys His Lys Ala
156   225                     230                     235                     240
157   Leu Lys Val Thr Ile Thr Val Leu Thr Val Phe Val Leu Ser Gln Phe
158           245                     250                     255
159   Pro Tyr Asn Cys Ile Leu Leu Val Gln Thr Ile Asp Ala Tyr Ala Met
160           260                     265                     270
161   Phe Ile Ser Asn Cys Ala Val Ser Thr Asn Ile Asp Ile Cys Phe Gln
162           275                     280                     285
163   Val Thr Gln Thr Ile Ala Phe His Ser Cys Leu Asn Pro Val Leu
164           290                     295                     300
165   Tyr Val Phe Val Gly Glu Arg Phe Arg Arg Asp Leu Val Lys Thr Leu
166   305                     310                     315                     320
167   Lys Asn Leu Gly Cys Ile Ser Gln Ala Gln Trp Val Ser Phe Thr Arg
168           325                     330                     335
169   Arg Glu Gly Ser Leu Lys Leu Ser Ser Met Leu Leu Glu Thr Thr Ser
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171   Gly Ala Leu Ser Leu
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174 <210> SEQ ID NO: 3

175 <211> LENGTH: 26

176 <212> TYPE: PRT

177 <213> ORGANISM: Artificial Sequence

178 <220> FEATURE:

179 <223> OTHER INFORMATION: NH2-Terminal Peptide of Human GPR-9-6

180 <400> SEQUENCE: 3

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182 1 5 10 15

183 Val Asn Phe Asn Phe Thr Asp Phe Tyr Cys

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188 <212> TYPE: DNA

189 <213> ORGANISM: Artificial Sequence

190 <220> FEATURE:

191 <223> OTHER INFORMATION: Oligonucleotide primer

192 <400> SEQUENCE: 4

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196 <211> LENGTH: 35

197 <212> TYPE: DNA

198 <213> ORGANISM: Artificial Sequence

199 <220> FEATURE:

200 <223> OTHER INFORMATION: Oligonucleotide primer

201 <400> SEQUENCE: 5

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35

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VERIFICATION SUMMARY

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